

REV	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1	△	Part No.: Change FRJ45144 into FRJ45016	31/MAY/18	KATE	ERIC
2	△	Change Packaging	30/NOV/22	MATT	KATE

**SPECIFICATIONS**

**Electrical**

Current Rating: 1.5A AC(rms)/DC  
Voltage Rating: 125V AC(rms)/DC  
Contact Resistance: 30 mΩ Max  
Insulation Resistance: 500 MΩ Min / DC 500V  
Withstanding Voltage: 500V AC r.m.s  
Operating Temperature: -40°C~+85°C

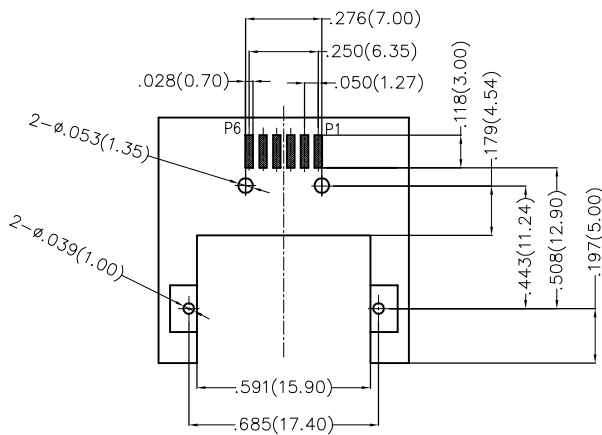
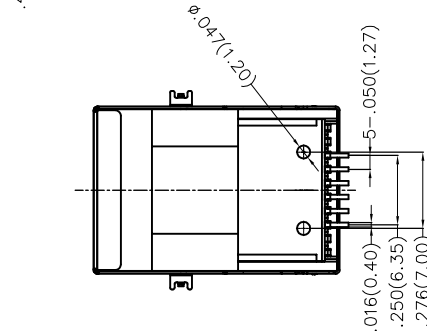
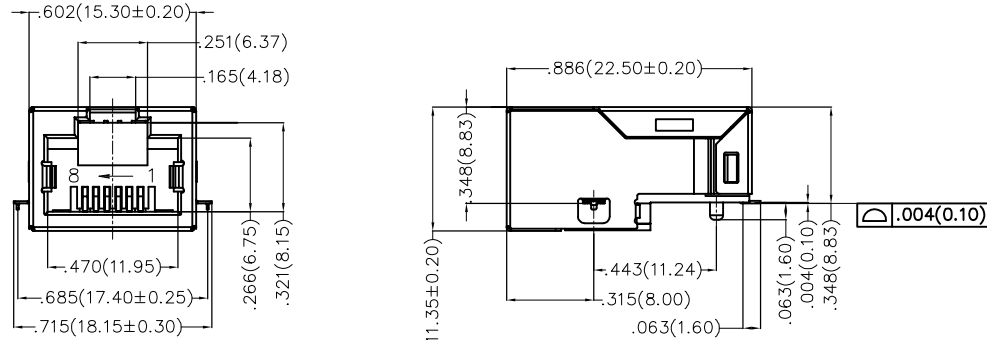
**Material and Plating**

Housing: LCP (UL 94V-0) Black  
Contact: Phosphor Bronze/ Selective gold in contact area, tin on tail  
Shell: Brass/Nickel Plated


**Ordering Information**

FRJ45 016 - 1 3 XX K6 X 0 1 0 1  
1 2 3 4 5 6 7 8 9

1 Category FRJ45-RJ45 Connector	2 Distinction No. 016	3 Ports options 1-1 Port	4 Plating 3-Selective gold in contact area, tin on tail
5 Thickness of plating 00-Gold flash 03-3μ" Custom plate available	6 Color-Resin K6-Black	7 Packaging K-Tray △ M-Reel	8 Contact type 1-Square pin
			9 Pin circuits 1-100Base-T

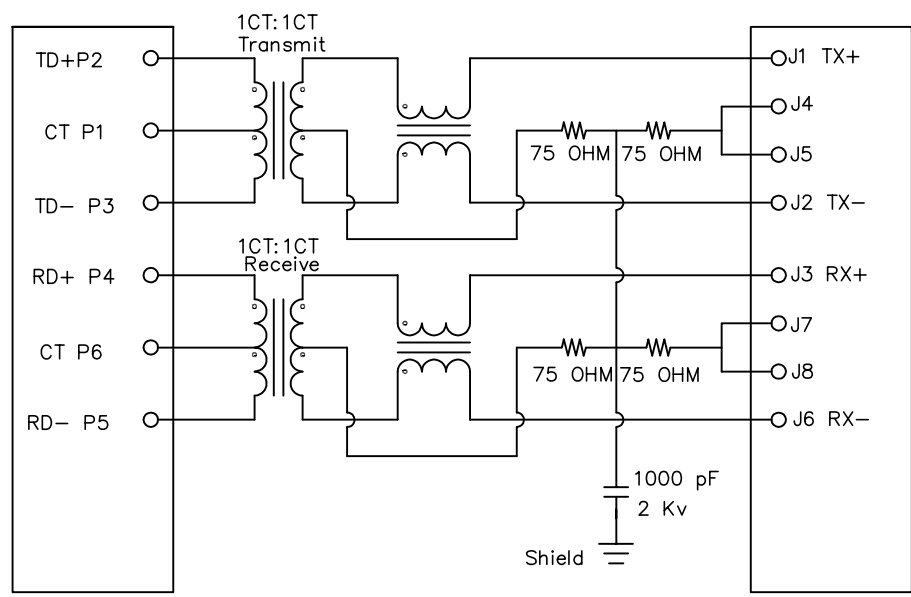


Recommended P.C.Board Layout

THIRD ANGLE PROJECTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY FRANK	DATE 01/AUG/17	PART NO. △ FRJ45016-13XXK6X0101	ITEM NO. FRJ45016	 Leader Of Industry	
	DESIGN UNITS Inch (metric)	X.±.012(0.30) X.X±.008(0.20) X.XX±.006(0.15) X.XXX±.004(0.10)	X:±5' .X'±2' .XX'±1' .XXX'±0.5'	CHECKED BY CHERRY	DATE 01/AUG/17	TITLE RJ45 Connector 6P6C 90°Angle(100Base-T)		REV 2
SCALE 5:1	SIZE A4		DRAWN BY LXF	DATE 01/AUG/17	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

1 2 3 4 5 6 7 8

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Electrical Specifications@25°C±5°C						
Turns Ratio(±3%)		OCL(uH Min) @100KHz/0.1V	Insertion Loss (dB Max)	HI-Pot (Vrms)		
TX	RX	With 8mA DC Bias	1-100MHz			
1CT:1CT	1CT:1CT	350	-1.0	1000		
Retrun Loss (dB Min)			Cross talk (dB Min)			CMR (dB Min)
1-30MHz	30-60MHz	60-80MHz	1-30MHz	30-60MHz	60-80MHz	1-100MHz
-16	-14	-10	-40	-35	-30	-35

A

B

C

D

E

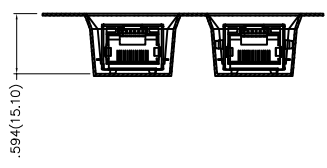
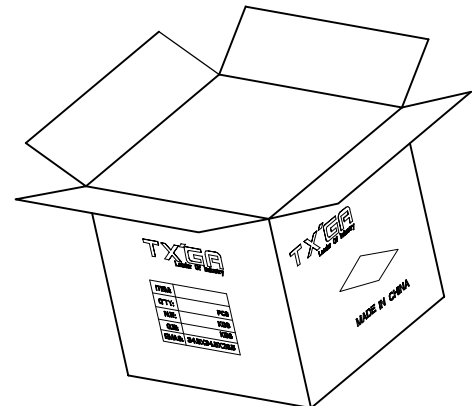
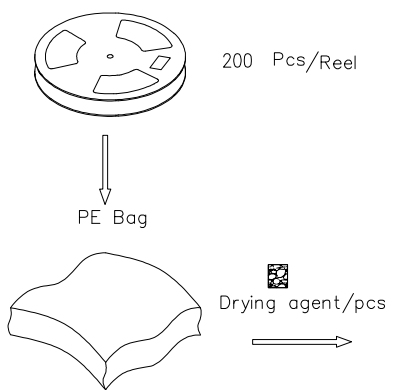
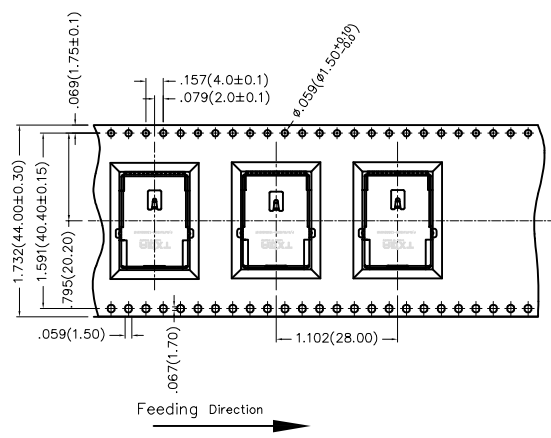
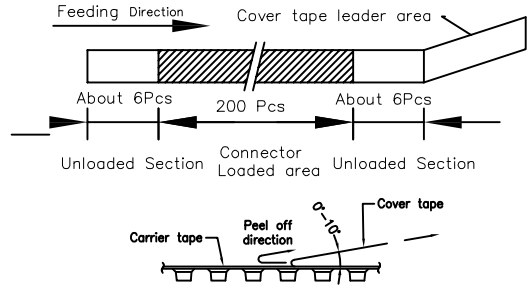
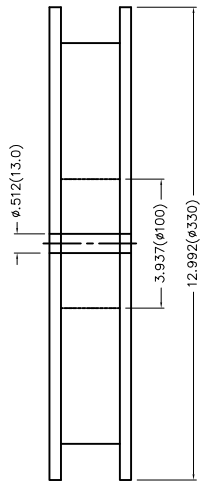
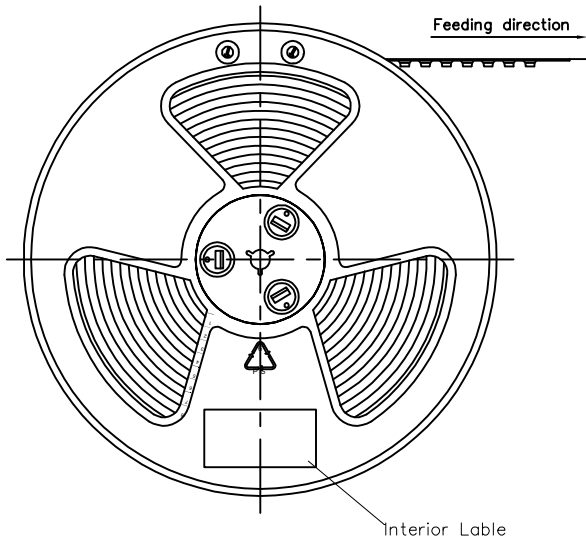
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<p>THIRD ANGLE PROJECTION</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		APPROVE BY	DATE	PART NO.	ITEM NO.	<p>Leader Of Industry</p>
	X.±.012(0.30)	X.±5'	FRANK	01/AUG/17	FRJ45016-13XXK6X0101	FRJ45016	
	X.X±.008(0.20)	.X'±2"	CHECKED BY	DATE	TITLE		
	X.XX±.006(0.15)	.XX'±1"	CHERRY	01/AUG/17	RJ45 Connector 6P6C 90°Angle(100Base-T)		
SCALE	SIZE	X.XXX±.004(0.10)	.XXX'±0.5'	DRAWN BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO TXGA INDUSTRIAL ELECTRONICS(S.Z)CO.,LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
5:1	A4			LXF	01/AUG/17	REV 2	SHEET NO. 2/3

1 2 3 4 5 6 7 8

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- Note:
1. 10 sprocket hole cumulative tolerance  $\pm 0.2$
  2. Carrier camber is within 1.0mm in 100mm
  3. Material: White Conductive polystyrene Alloy 100% recyclable
  4. All dimensions meet EIA-481-3 requirements
  5. Component load per 13" reel: 200pcs



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